AMENDMENTS TO THE CLAIMS

The following listing of claims is intended to replace all prior versions or listings of claims in the application. Please add or amend the claims to read as follows, and cancel without prejudice or disclaimer claims indicated as cancelled:

1. **(Currently Amended)** A mobile device, comprising:

a processor programmed to establish a mobile ad-hoc network of mobile devices capable of communicating with each other and to construct a routing list of ~~at least some~~ only a subset of the mobile devices of the ad-hoc network that include an installed common application software, wherein the processor is able to establish, within said mobile ad-[[hock]] hoc network, a sub-network of the mobile devices having installed therein said common application software, according to said routing list.

2. **(Previously Presented)** A mobile device according to claim 1, wherein the routing list includes one or more routes to the one or more other mobile devices including the common application software.

3. **(Previously Presented)** A mobile device according to claim 1, comprising:

a memory; and

a routing table stored in the memory, the routing table including the routing list.

4. **(Previously Presented)** A mobile device according to claim 3, wherein the routing table is designed to store a route to at least one other reachable device including the common application software.

5. **(Previously Presented)** A mobile device according to claim 1, wherein the receiver is able to receive from a second mobile device another routing list of other devices having the common application software reachable from said second mobile device.

6. **(Canceled)**

7. **(Currently Amended)** A method comprising:

establishing a mobile ad-hoc network of two or more mobile devices capable of communicating with each other, at least some of which include an installed common application software; and

establishing a sub-network of ~~said at least some~~ only a subset of the mobile devices that have installed therein said common application software.

8. **(Previously Presented)** A method according to claim 7, further comprising establishing a communications channel between first and second devices that have installed therein the common application software.

9. **(Previously Presented)** A method according to claim 8, further comprising:

receiving a list of devices reachable from the second device, the list including a third device having the common software application; and

establishing a communications channel from the first device through the second device to the third device.

10. **(Original)** A method according to claim 9, further comprising sending messages from the first device to the second device, to be relayed to the third device.

11. **(Original)** A method according to claim 10, wherein sending messages from the first device to the second device includes specifying a path from the first device to the third device.

12. **(Original)** A method according to claim 9, wherein establishing a communications channel from the first device through the second device to the third device includes establishing a communications channel from the first device through

the second device to the third device without regard for any alternative route from the first device to the third device.

13. **(Previously Presented)** A method according to claim 9, comprising determining whether the third device has installed therein the common application software.

14. **(Previously Presented)** A method according to claim 9, wherein receiving a list of devices reachable from the second device includes receiving an indication that the third device includes the common application software.

15. **(Original)** A method according to claim 9, further comprising changing the communications channel from the first device through the second device to the third device to an alternative communications channel if the alternative communications channel has a lower cost than the communications channel.

16. **(Original)** A method according to claim 8, further comprising:

receiving a list of devices reachable from the second device; and

forwarding the list of devices to a third device within range of the first device.

17. **(Previously Presented)** A method according to claim 16, wherein receiving a list of devices reachable from the second device includes receiving a list of devices having the common application software reachable from the second device.

18. **(Currently Amended)** An article comprising:

a storage medium, said storage medium having stored thereon instructions that, when executed by a computing device, result in:

establishing a mobile ad-hoc network of two or more mobile devices capable of communicating with each other, at least some of which include an installed common application software; and

establishing a sub-network of ~~said at least some~~ only a subset of the mobile devices that have installed therein said common application software.

19. **(Previously Presented)** An article according to claim 18, wherein the storage medium has further stored thereon instructions, that, when executed by the computing device, result in:

establishing a communications channel between first and second devices that have installed therein the common application software.

20. **(Previously Presented)** An article according to claim 19, wherein the storage medium has further stored thereon instructions, that, when executed by the computing device, result in:

receiving a list of devices reachable from the second device, the list including a third device having the common software application; and

establishing a communications channel from the first device through the second device to the third device.

21. **(Original)** An article according to claim 20, wherein the storage medium has further stored thereon instructions, that, when executed by the computing device, result in sending messages from the first device to the second device, to be relayed to the third device.

22. **(Original)** An article according to claim 21, wherein sending messages from the first device to the second device includes specifying a path from the first device to the third device.

23. **(Original)** An article according to claim 20, wherein establishing a communications channel from the first device through the second device to the third device includes establishing a communications channel from the first device through

the second device to the third device without regard for any alternative route from the first device to the third device.

24. **(Previously Presented)** An article according to claim 20, comprising determining whether the third device has installed therein the common application software.

25. **(Previously Presented)** An article according to claim 20, wherein receiving a list of devices reachable from the second device includes receiving an indication that the third device includes the common application software.

26. **(Original)** An article according to claim 20, further comprising changing the communications channel from the first device through the second device to the third device to an alternative communications channel if the alternative communications channel has a lower cost than the communications channel.

27. **(Original)** An article according to claim 19, wherein the storage medium has further stored thereon instructions, that, when executed by the computing device, result in:

receiving a list of devices reachable from the second device; and

forwarding the list of devices to a third device within range of the first device.

28. **(Previously Presented)** An article according to claim 27, wherein receiving a list of devices reachable from the second device includes receiving a list of devices having the common application software reachable from the second device.